



ROPS APPROVED ROLL BAR

REAR WEIGHT BAR

SUSPENSION SEAT

WHEEL WEIGHTS

CA8

Get behind the power of a front-drive Steiner.

## m o d e l 220

With front-wheel drive, the Steiner 220 offers superb performance, durability, traction and stability where conventional tractors fall short. Total control is yours



with a foot-pedal hydrostat and rear power steering that enables the Steiner 220 to handle effortlessly around trees and other obstacles. Few turf tractors have a lower center of gravity than the 220, which positions you comfortably in the middle of the tractor for added stability. Best of all, our unique Quick-Hitch™ attachments

make it easy to get the job done with speed and precision.





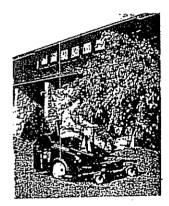




A zero turning mower with zero deficiencies.

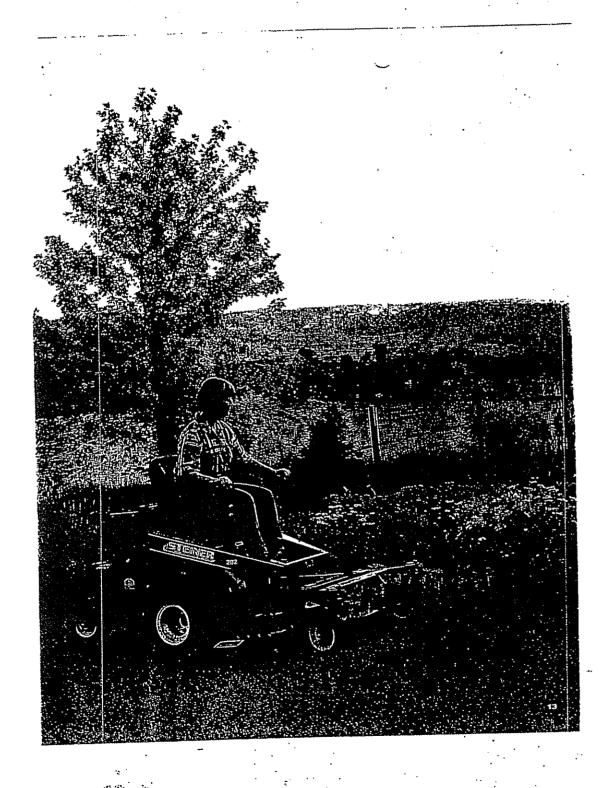
# m o d e l 202

For those requiring a dedicated mowing machine, the Steiner 202 combines a zero turning radius with our passion for zero defects. Not only does it mow rings around other mowers, the Steiner 202 floats over uneven terrain with a unique mower deck that flexes as it goes for an even, clean cut. And no mower is easier to operate. Twin hydrostatic controls provide a steady ride, smooth power and easy handling with minimal training - while a single park lever and cutting height handle allow for fast, easy adjustments. (Mulching adapter kit available.)









### Accessories

Accessories add comfort, safety

and utility.

For added comfort, safety and utility, choose from optional accessories that provide Steiner quality with a custom design and fits For more information about these and other accessories for your turf tractor, contact your authorized Steiner dealer.







220 Weight Bar Kit

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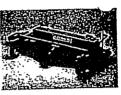


410 Waight Bar Kit









Rotary Mowers
Full-floating, 3-blade muzry mowers
feature tapered roller bearing spindle
assembles. Cutting height is
controlled by the front caster wheels
and full-length rear roller Front
mounted design gives exceptional
visibility for maneuvring and
trimming. High-capacity discharge
chutes provide even distribution of
clippings.

Retary Mowers Side Discharge Built-in flexibility of rotary mower allows it to follow the contour of the terrain. High-capacity side discharge.

Model MD448	
Overall width with	
discharge thate	_60 VT
Cutting width	47*
Contino beight	1' to 4 1/2'
Mover drive	PTD bull
Spinote drive	Sincte "V" ball
DESCRIPTION OF THE PROPERTY OF	
Spiraties	" (9D4168 10mts
-	accembies
Bades	3 blades, 15 U.C
Discharge	Side
Chacage meaning	10 x 3.5
Wheels	
	KIMINI-DUSTUTTATIC

Madri Maari	
Octable width with	
dischurge chate	73*
Cutting width	593/8°
Cutting height	1" to 4 1/2"
Money Gibet	PTO De2
Snindle drive	Sixxie "V" bad
Spinches	Tapered foliar
•	2552/110/222
Ender	3 blaces, 20 1/2"
Orscharge	Side
Wheels	10 x 3.5
	many commentable
Weight	360 Pat.
1.44r	

CERTAIN SERVICE	
Overall width with	
discharge chote	_ <b>2</b> 5'
Custog width	
Cutting height	Thr
Liques drive	PID NAZ
Styles City	Circle 30 hall
Spinsts drive	
Spirities	"" ISDRING I ONEL
•	252 ETRORES
Rodes	3 bizdes, 24 3/4
Discharge	Side
Wheels	10 x 3.5
111111111	sami-preumatic
Visions	are little



Rotary Mowers
Mulching/Rear Discharge
This mower becomes a mulching tals mover becomes a mulching mover or a rear discharge mover with the installation of the proper blade and baffle options. Overall with 50 34° Cutting with 50° Cutting with 50° Cutting height 10° to 4° Mover dives assemblea 10.25 x 3.25



Tree Farm Mower Cutting height . Mover drive ...



Silp Scaep
A quick, easy way to move loose materials or exceede small areas, in fart, you can use it for virtually anything that would normally require a wheelbarrow.

Densi with 47
Densi legit 16
Overal legit 16
Overal legit 17
Bucket especity 17
Bucket espec (Inarisport) ...... Ground clearance



V-Blads
The V-blade is designed for easy some removal. Electro-hydraulic independent blade wing angling allows easy conversion from V-blade to inverted scoop or straight blade. while in motion.

Overall width	63 1/4"
Carrier with	
51/2 <sup>1</sup> /2 <sup>1</sup> /4	58°
\$2009	49"
7-t-tude	57
Diversit height	21
Overal length	31.
Elade Might tract	747
CURA 1954	K I
ydig	front and back
50.0 \$200E	AU[42130M
Forward US	Spring-loaded
Comion adopt	
2 mailes	
Weight	245 lbs.



Lawn Sweeper Lawn Sweeper Clean sweep year lawn of cuttings or fallen leaves. Backing action gets

much more into the	e min perate hon
need to unload.	
Oretall midits	.⊠*
Overall beight	.52
ולבלו כו ובנינא ובואלו	. BT
Wices of pickup	.4T
Break	"3-bacqe zyscheurg
Gurst retreets	Sens-consumation
Hoch	REMARKS OF
	ttiga hig
Carrying capacity	,24 tal. R.
Westl	530 fbs.



Torra Baku The terra rake is an excellent tool to use in preparing ground for seeding. This front-mounted rake has gauge wheels that can be positioned to the

wheels that can be postumen a
front or rest.
Overali micilis
Marketina working
Michigan working
entity (hethed) \$1"
Working positions
controlled
Self-leveling deviceSpring-loaded
Humber of leasts
DATE OF THE PARTY
270 to 1



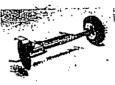
Corn Acralm

Cora Arratar Improve turf with this 40° wide core arratus Penetratas turf with seven independent 3/4° core tine assemblies which are designed for ease of turning while operating. Weight box carries additional weight if extra penetration is needed.

Orest widh	,45 1/T
Working width	.40 1/4"
Charatt pajopt	.25 V2
Overall length	YOU
White stuff bearings	Cresentle 1 1/5"
Win Right Den mails	. 01 14114244 1 11 1
Acrasing wheels	.7 SM 202020
	Districting .
	Autorication Eping
· .	, 5 per viteel.
Tires	3/4" core lines
	TA 4. COLE DESERT
Agrating tricits	
(actual)	_33*
Acrating triulls	
Versend mens	15 1.57
(\$980396)	_43 1/4
Aurating depth	_05 15 2 17 2
Arrating patients	B 1/2" x T
Missing process	(3.6 holes sq.ft.)
	non man with I maintiff
West Warrant	_390 Ros. with 4 treights



Stump Cutter
Get rid of stumps and prune aboveground roots quickly, easily and neatly,
fough 10"-diameter cutterhead is
driven by a PTO belt with a rightangle gearbor. Hardened cutters are
located to allow movement from side
to side, of from top of the stump.
Overal weight 18"
Overal height 15"



SISO EASE!
Cut a gest edge along paths, sidewalks
and curbs. 16° concave disk adjusts for
angles and raises and lowers hydraulically. Procumatic tire controls height.
Derral width

fully classed	
11/0 dist gyard	50"
Fully closed	
wider guard	_55'
Fully extensed	
nicht guard	_65
Cutting wight from	
canier of Macion	
Closed position	25 1/2"
Colei posass	15 1/T
Extended position	artico (ca
Dts:	"III INTERNATION
	CONCERN TYPE
Operation	रिक्ष्य हर देवी
Greens eticaciana	
(raised)	9" (on Model 434)
Atold	110 84
ALCORA	W M



Real Mower

Resi MOME!
Red Innover heads are individually supported and float smoothly over humps and digs. The reels are hydraulically driven, independent of the forward speed of the power unit.

RMS74 RMS74 RMS74

	RM574	255574
Curting tricks	74"	84"
Cutting height	_1/Z to 1 3/4	1/2" to 1 3/4
בייייי מוליניו מייייו מייייי	_81 1/2"	81 IZ
Farsport mid3:	_77 VZ	87 UZ*
Blades per cylinder	4-blade	
,	6-bizde	ē-bt≥¢s
	9-biade	9-blade
Rest cutting trickly	_26*	30.
Reel overtage	_2	2 1/2
Weight	180 Rts.	515 PM.
· · -		
	1	
	7	
	Fr.	



DESCRIPT
The trencher easily follows line of trench, cutting to a maximum depth of 28°. Depth of cut is adjustable with the depth indicator gauge easily

reral length54	
rerall height	•
uper dispeter12*	•
haki speed550 ft.m	in uto
rive shaft dameter 1 1/2"	
unito depte 25	
unting width 4 344	
Veints	:



Power Angle Blade Move diet or snew with and 60° blades Feature power angle and safety Reversible cutting edge life. Comes complete w

THE CONTRACTOR CONTRACTOR .	•
skid shoes.	
Dystal with BUILD 18	
B0260 \$0	•
Overall height	
Overall length	
HADLERING SUCKED	
Skid shoekc	
Foresant bit So	1
Reversible	
cutting edge3	٠
Ground Clearance 13	
Yeigis 802-E 16	ď
502E0 18	\$



Rotary Swaspasi
ideal for circaring usary
and light store on poin
loss, sidewalks and dri-cally controlled order.
Bor left- and right-hand
Bevel georbes driven.
wheres available.
Overst statis.

	61
versa sakita	
rerali height	_12
versă length	. 44
A POSSE AND AND ADDRESS AND AD	
fibre potney	3
yeranic anging	_30
	70
peed of broom	
	2.7
incond theirsoca	. 1
	*
•	
ionica spraga	_SI
~~~~	4
Malgh4	_1



Auralut Arrator
Improve turf health wi
wide attachment. 3" to
penetrate deep, Weigh
additional weight lifes
is needed. Ground drigreaseable bestings.
Overal wide
Vorrals wide
Vorrals beight
22
Overals beight
25
Overals beight
25
Overals beight
25
Overals beight
26
Tress
183



nd Hylli i aded



es, debris , parking Hydrauli m sngles ration.



aged 10° d incs contains inclusion int has

28 1 2/16 ed timet.



Loosen dirt for gardens or turf plantings. Provides 48" working width and a tilling depth of up to 6" in loose toil. Rotor is chain driven and has a solid i 1/2" steel shaft with 24 cutting these

lines.	43"
Working michi	£ war
Moustand george	40
Dygrad height	
Court 1997	
Dyeral length	36
Tions	24 (15000.0000
,	parassed
To be	Chain drive from
Dine	OSSIDOX.
Operation	Tractor In several
Obesenson	motion
	Greasantha
Bearings	305 lbs.
Arright	



Bram Hower
The boom maner simplifies and
cases areas such as disches, banks,
pund edges, and other hard to reach

There-	
Overall width:	118°
THE EXPLOSES	11 <del>4</del>
Overall width	
3.00 ftg	34
Chertif peight	•••
#13 KD	
We at morest Next	75" art (7" in: 68"
IN CLASSICS SEED	
q#1}	man hadana basel track
Ancie of Coeration	30° balow bortzonta
201910 1 1 2	45° above horizonia
	75
WEST IN CO.	1100 150
Height of Cul	
Printel Basipax	Right ≥n0*
Milital Batrany	435 Ibe.
W-1-34	Sauce En Properties
C	
Grass weight	635 Eds
String market -	



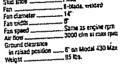
Chipper/Shredder
The Steiner chipper/shredder is
designed to grind, shred and chip
a warety of materials into a usable
processed material to eartch and
beautify your landscape: Blower
strochment optional.

attactunent opiui	1412+
Chartell spicitis	35 S/F
Oversil height	_42 1/4
Chipper points	A bardened brief
Uzzinum material	
Name of the last o	at clameter

site for chiquer \_\_\_\_\_4" diameter Maximum muterial size for stredder \_\_\_\_\_1 1/2" diameter weight \_\_\_\_\_\_\_30 bos.

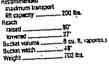


Power Slower
153 multi blaving pawer quickly clears
leaves and debris. Also blows water
from low-lying areas, PTO beh-driven
unit has an 8-blade blower fan and
directional discharge chute. Also
features an anti-scalp roller.
Couras noth
25
Couras noth
25
Couras insign
25
Sti thre
6-base, within





Loader
This 48° wide bucket has transport
lift of 200 lbs. A weight bar with six
weights is required for operating the
loader on the Model 439 Max tractor.
Loader has self-contained hydraulic
pump and oil reservoir powered by
tractor's front PTO puley.
Lib hight 1975
Maximum hit report) 256 bs.
Recommended
maximum tramport
lift capacity 200 Bs.
Recch





Sonw Slawer

Moves large volumes of snow from sidevalls, driveronys and small parking lots. Features 14" suger fed and hydroulically controlled chula with fingerup control. Height of heavy-duty wear bar adjusts with skid shoes. Belt driven.

Over 20 19451 51"

Over 21 19451 51"

Over 22 19553 57 150 h x 45" was

Opening Size	25 high x 45° widt
NOT-	14 diameter
MON	ODER CHUSEL
R4	20" diameter 3 blade
Augu Speed	173 rpm
Blowst Speci	
Crote	S. Qrushage
C410/6	190° rotation
	Activistable stid shoes
Height Ca	C to 1 IV
	425 854.
MAG	

Document 76-8

## Attachments

			•	•
lerator, spika	<u></u>		•	+
feialoc core				
Blade, 50° power angle	•	•	*	
Blade, 48° power angle	٠	•	•	*
Blade, sand				
Bude, V-biide				
Chipper/shredder	•		•	
Disc edger	•			
Loader, front end		*		
Mower, boom	•	• `		
Mower, 48" rolary	•		<b></b>	
Mower, 50° ratary	•		٠,	•
Mover, 72" rotary	•		·	
Mower, rotary mulch/ rear discharge	•	•	4	•
filower, tree farm		•		
Mower, triplex resi 4-blade, 74*	•	•		•
Mower, triplex resi 6-blade, 74"	٠			•
Mower, triplex real 9-blade, 74"	٠			
Mower, triplex real 6-blade, 84"	•			
Power blower	•			•
Slip schop, 44°			•	
Snow blower, 48"	• .	•	*	
Stump cutter	٠			
Sweeper, lawns		•	1.+	
Sweeper, 54° rotary	•			• .
Terra rake	•	•		
Tiller				a .
Transher	*		•	

Our tractors are capable of many things.

All It takes is five minutes

or less.

Versatility is as much a part of the Steiner story as superior engineering or long-term reliability. Using our Quick-Hitch™ attachments, your Steiner becomes capable of almost any turf or grounds maintenance task within one to five minutes. Discover why so many Steiner owners think of their turf tractors as true all-purpose machines.

## Specifications

Dimensions	56" (142 cm)	44*	43 1/2*	, 54°	58"
Dver28 भारतीय		6-C	69"	82*	91 1/2"
Overall langth	81* (206 cm)	45"	AT*	45	45
Overall licight	48" (122 cm)	38.	35	50*	43"
Wheelbase	49" (125 cm)	45"	13** -	14"	2810
Turn radius Weight	63" (160 cm) 1520 lbs. (690 kg) .	1000 lbs. air-cooled 1100 lbs. water-cooled	pan Inc	1185 lbs Onan 1295 lbs Kubota	1214 lbs. (includes deck)
Englas	Xubota 905, 23.5 hp waler-conied	Onan P220 Performer, 20 hp air-cooled Kubota Dissel 0722, 21 hp water-cooled Kubota Gas W0750, 21 hp water-cooled	Onza F216 Performer, 16 hp air-cooled	Onan P220 Performet, 20 hp air-cooled Kubota Diesel D6008, 16.5 hp water-cooled Kubota Gas WG750, 21 hp water-cooled	Onan P220 Performer. 20 hp air-cooled
		Kohler Command V-Terin, 25 hp air-cooled			
Drive Train	,	13	Hydrostalic	Hydrostatic	Hydrostatic
Transmission Transaxies	Hydrostatic Pearless 2500.	Hydrostatic Pezriess 2500, dual-speed	Peerless 2500	Pearless 2600 2-apeed w/diff lock	Penriess 1300.
Speeds	dual-speed Forward: 0-9 mph, high 0-4,7 mph, iow	Forward: 0-8.5 moh, high 0-4.4 moh, lovi	Forward: Q-9 mph	Forward & Reverse: 0-11 mph, high 0-6 mph, low	Forward: 0-6.25 mph
•	Reverse: 0-5.7 mph. high	Reverse: 0-5.3 mph. high 0-2.8 mph, low	Reverse: 0-7 gigh	,	Reverse: 1 0-1 mph
Stewing	0-2.9 mph. low Hydraulic power steering	Hydraulic power steering	Hydraulic power steering	Hydraulic power steering	Train steering windependent control of each drive wheel
Brakes	Dry disc type (front & rest)	Bry disc type	Dry disc type	individual wheel drum	Dynamic braking through hydrostatic transmission Manual parking
Tires					Front:
Turf type	Buf type. 24 x 13.00-12, 4-ply Bar type. 26 x 12.00 - 12	Buf type, 20 x 10.00-8. Bufmate Traction Bar type, 21 x 11.00-8, Rawbide	Turt typs. 20 x 10.00-8. Traction Bar typs. 21 x 11.00-8, Rawbids	Orive: 21 x 10.5-12 Goodysar Softrac. 2-ply Rear: 16 x 8.5-8 Ribbed, 4-ply	20 x 8.00 x 10 4-ply rating tubeless Rear; 13 x 5.00 x 6 4-ply rating tubeless
Electrical .		,	*	12 volt, key switch	12 volt
Starting Sattery Charging	12 volt, key swiich 12 volt, group 26 30 amp auto	12 volt, key switch 12 volt, group 28	12 voll, key switch 12 voll	12 volt, group 26	12 volt, maintenance free
Feel System Tank capabily	7 gallions, US	5 callors, US	5 gailtons, US	6 gallons, US	7 gzilans, US

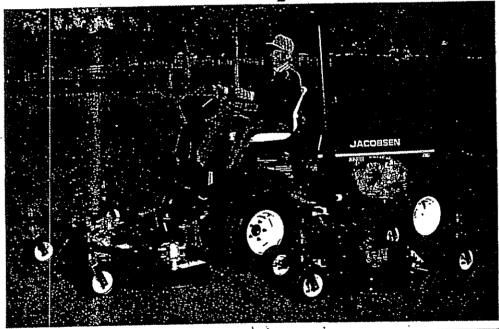
We invite you to experience Steiner engineering at your aravest Steiner dealex

### STEINER

Steiner Turf Equipment, Inc. 289 N. Kurzen Rd. PO. Box 504 Dalton, OH 44618-0504 330-828-0200 Fax 330-928-1008

Forus No. 05-2750 © 1997 Sterner Berl Economiest Inc. .

# HR-5111™ 4WD Hydraulic Mower



The Professional's Choice on Turf

# HR-5111: The All-Hydraulic

The HR-5111 delivers a productive 11-foot cut to roughs, parks, and other large turf areas. Its three all-hydraulic mowing decks, four-wheel-drive (4WD) traction, and a comfortable operator station, make the HR-5111 the right mower for your big jobs.

All-Hydraulic, High-Production Mowing
The HR-5111's revolutionary all-hydraulic, rear discharge
decks deliver the best quality cut of any high-production
mover. Individual hydraulic motors drive each blade for
my grathed outling power. unmatched cutting power.

The floating-deck design, with large caster wheels and enti-scalp rollers, follows turf contours and reduces the risk of scalping. Cutting heights are adjustable from 1 to 51/2 inches. Spring washers on side deck mounting arms absorb impact. Mow with one, two, or all three decks, to match conditions.

The HR-5111's agile, compact design with hydrostatic transmission and rear-wheel power steering, means close trims around trees and obstructions. In open areas, the HR-5111 cuts up to 65 acres per day.



No Kidding

Individual hydraulic moiors power each of the HR-5111's blades for a quality cut without the bassle of belts, pulleys, idlers, deck lids, or PTO shafts. Blades rotate in opposite directions for even clippings dispersal.

4-Wheel-Drive Traction
Hydrostatic 4WD with differential lock, tackles tough hills
that stall the competition. A hydraulic weight-transfer
system shifts the weight of the deck to the vehicle for hill
climbing." Unlike mechanical 4WD, hydrostatic 4WD
rotates each wheel at the correct speed during turns, to prevent turf scuffing and provide full traction.

The HR-5111 spends its time working. All-hydraulic decks mean no belts, deck lids, blade pulleys and idlers to fix. Each motor has self-lubricating spindles for less mainte-**Built For Trouble-Free Operation** 

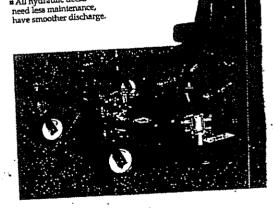
The wing decks tilt vertically when raised, and the front deck tilts vertically by removing two pins at the reanof the

deck, for easy cleaning and servicing. Diagnostic ports make it easy to check hydraulic pressures.

Economical Diesel Power
The HR-5111 is powered by a reliable, efficient, 51-horsepower, liquid-cooled diesel engine. The engine is fully
enclosed and isolation mounted for cleaner, quieter
operation. A top-mounted, heavy-duty air cleaner protects
the engine from harmful dirt and clippings.

The hood tilts up and back for full access to the engine.
The hydraulic oil cooler slides away from the radiator for cleaning. The HR-5111's durable fiberglass body keeps its good looks, even in harsh conditions.

- \* Adjustable seat, cruise control, tilt steering wheel for operator comfort.
- #Hydrostatic 4WD for sure traction without turf damage.
- Ergonomic design puls controls, instruments in easy reach, sight.
- a Floating decics, casters, anti-scalp rollers for superior quality cut. Rear-wheel power steering, compact design for close trimming. z All hydraulic decks



### WD High Production Rotary

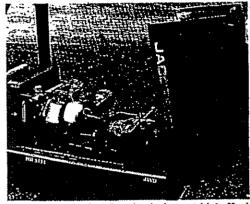
The box channel steel frame and heavy-duty axle can handle years of mowing. And it's backed by a two-year/1,500-hour warranty.\*\*

Built For Operator Comfort
Your operators will like the HR-5111's comfortable high-back seat, cruise control and tilt steering wheel. Good visibility and ergonomic controls keep them productive without strain. A full array of gauges and warning lights keep operators aware of vital mower functions. For extra protection, a horn sounds if engine coolant or hydraulic oil begin to overheat.

A ROPS and seat belt are standard on the HR-5111. A canopy with lights and flashers, or a factory-installed cab with windshield wiper and heater are also available.

Diagnostic ports to check hydraulic pressures.





HR-S111's 51-hp diesel is fully enclosed to keep out debris. Hood tilts up and back for access to engine.

The HR-5111 features dynamic braking, along with heavyduty, hydraulic disc brakes on the drive wheels for sure

For year-round versatility, a 62-inch snow thrower and 72-inch rotary brush are also available.

For quality, high-production mowing, versatility, and operator comfort, in a reliable package, call your Jacobsen dealer today for a demonstration of the HR-5111.

"Consult your owner's manual for sale operation on slopes.
"See your Jacobsen dealer for complete warranty details.





# **SPECIFICATIONS** BAGINE Model ... Kubota VZIGID 4-cylinder liquid-cooled, diese ... 143 in. x 3.64 in | Act | Act



Wing decks fold tight to mower for narrow 93.5-inch transport width.

, ,	
(Configure) Find	reis Trustie, hydra allé lift/lower, ignison switch, glove plug switch, PTO switch, ladridud mower switches, hydro pedal, brake, differential lock switch (Capacity 20 gal (757 L) Adjustable high-back, suspension
DEOKS: Sam Blac Blac Cut	(1) 64 in (1.62 m) front deck, fully linaing (2) 42 in (1.06 m) wing decks, fully floating (decks can be run in any cambination of 1.2 or 3) (decks can be run in any cambination of 1.2 or 3) in (3.6 m) (2.2 in (3.6 m) in (3.6 m) (4.6 m) (
Cm	ting Heights
ROTARY BRUSH: DE WW. M. M. C. C. W. W. W. M. C. C. W. W. W. M. M. C. C. W.	15th
DIMENSIONS: W H W W E T T	Front protective Exp   eight (irrassport)   3,361 Dec (1,534 kg)   eight (with ROF5)   81 In (2.05 m)   fulth (irrawing)   139 In (3.33 m)   idth (irrawport)   93.15 m) (2.35 m)   might   144 in (1,26 m)   might   144 in (1,26 m)   might   144 in (1,27 m)   faethess   67.75 in (1,77 m)   faethess   67.75 in (1,77 m)
ACCESSORIES: N	tulcher kit, Raar wheel weights, Auxillary work light kit, U.V. (road light kit), Canopy with liner, besolights, flash- rs, Cab with wiper, heater (factory installed)

NOTE: Specifications, while correct at time of printing, may change without notice. This product has been insted and complies with B71.4-1990, ANGI voluntary safety



Add a 62-inch hydraulic snow thrower, or 72-inch rotary brush for year-round use.

### JACOBSEN TEXTRON

Jacobsen Division of Textron inc.

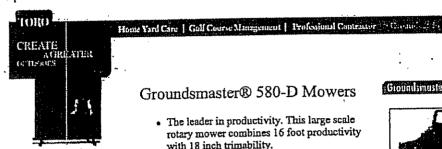
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### GROUNDS & INDUSTRIAL MANAGEMENT

Residential/ Commercial frrigation

Parks and Municipalities

Sports Fields

Schools and Universities

Business and Industrial

Customer Care



HESD HELP

### Groundsmaster® 580-D Mowers

- · The leader in productivity. This large scale rotary mower combines 16 foot productivity with 18 inch trimability.
- This agile performer mows up to 14.5 acres per hour. It tackles tough, tall or wet grass and lets you adjust its cutting widths from 8.5 to 16 feet on the fly.
- You can trim less than an 18 inch circle around trees; around a 90° corner; or turn back 180° on track with no uncut grass remaining. Individual dual wheel brakes assist to provide smooth control with any turn.
- · Three independent cutting units raise or lower on the go. Side decks raise to mow either 92 inch or 12 foot swaths.
- The Breakaway Feature is a Toro exclusive. Should the operator misjudge distance, the outboard cutting unit will pivot away on a rotating push arm from the object that's been hit. To reset, simply raise the cutting unit.
- Optional 4WD available.
- Access to the engine, transmission and cooling system is easy and fast by snapping off a few panels and removing shrouds.
- The Groundsmaster 580-D is truly a machine for all seasons with the these attachments: Cab with ROPS, Snowthrower, Road Light Kit, Canopy with 2 Post and Rotary Broom.





### Groundsmuster Rolary Mowers



- Groundsmaster® 200
- Groundsmaster® 300 72 Flexdeck Pfor 300 Series
- Groundsmaster® 3000
- ▶Groundsmaster® 3500-
- ▶Groundsmaster® 455-D

Current Promotions

Groundsmaster® 580-D

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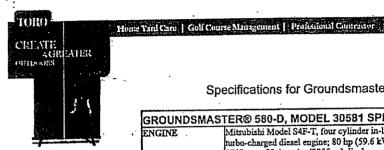
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### Specifications for Groundsmaster® 580-D

	TER® 580-D, MODEL 30581 SPECIFICATIONS
ENGINE .	Mitsubishi Model S4F-T, four cylinder in-line, 4 cycle, liquid cooled, turbo-charged diesel engine; 80 hp (59.6 kW) at governed maximum of 2750 rpm. 80.4 cu. in. (2956 cc) displacement, vertical overhead valve, direct injection. Forced feed lubrication w/ trochoid gear pump. 8.5 quant (8 liter) capacity. 17.1 compression ratio. 12 volt (2.2 kW) gear reduction starter. Heavy duty centrifugal air cleaner with replaceable element. Draw air from screened air intake. Muffler double wrapped with insulation and mounted under hood. Engine hood supported when raised by gas cylinder suspension. Lined with barrier type sound reduction material. Easily removed side panels provide improved engine access.  Mugnetically latched air intake grill and shielding are easily removed to
OIL COOLER	provide access to the mid-mount agricultural-type radiator with wide spaced fins (5 fins/in.). Oil cooler hinges away from the radiator to provide asy service access, 3.9 gal. (14.7 liter) coolant capacity. Variable speed radiator fun controlled by engine temperature. Full flow hydraulic oil cooler, (7 fins/in.).
FUEL SYSTEM	Direct mechanical injection system with replaceable fuel filter and water separator. Front console warning light indicates water in fuel. Fuel capacity: 28 gal. (106 liters), No. 2 diesel fuel.
FRAME	5" x 9 lb/ft welded structural steel channel. Six tie down loops; 2 front, 2
CONSTRUCTION	center and 2 at rear of frame.
TIRES/WHEELS	Front: (2) 31 x 12.50-15, 8-ply high flotation turf tires w/ tubes. Rear (2) $z_3 = 10.50-12$ , 6-ply tubeless turf tire.
Brakes	Front multiple disc brakes. Fully sealed in cast housings. Hydraulic servic brake via a brake pedal operated by the right foot. Mechanical steering brakes via two pedals which lock together for parking brake function. Dynamic braking through closed-loop hydrostatic drive.
STEERING	Tilt 15.5" (39 cm) steering wheel and tilt steering tower, released and locked by a patented single lever control. Dual hydraulic cylinder power steering for extra sharp turning. Eaton Charlyn Series 4 steering valve, load reaction type, 1500 psi (103.4 bars) rated.
TRACTION SYSTEM	Hydrostatic closed loop system, consisting of Sundstrand Series 40 hydrostatic pump and two speed motors, and Auburn Model 6 industrial planetary gen reduction at the drive wheels. Includes system reliefs of 5000 psi (344.8 bars) and bypass valve for towing. Planetaries for radial load rated @ 10,000 lbs. (4536 kg) and output torque of 50,000 lb-in.
	Maximum system flow is 28 gpm (105.9 liter per minute). Hydraulically assisted single foot operated traction pedal with adjustable speed stop controls forward/reverse ground speed. Electromagnetic speed control actuated from console by push button switch. Disengage speed control by cervice brake or on/off switch. Control of speed can be changed without disengaging.
GROUND SPEED/ CLEARANCE	Infimitely variable speed. Forward speeds: 0-7.5 mph (12.1 km/h) - mow; 0-20 mph (32.2 km/h) - transport. Reverse speeds: 0-3 mph (4.8 km/h) - mow; 0-8 mph (12.9 km/h) transport. Ground clearance: 8" (20.3 cm).
	Individual deck lift levers, ground speed high range/low range switch,

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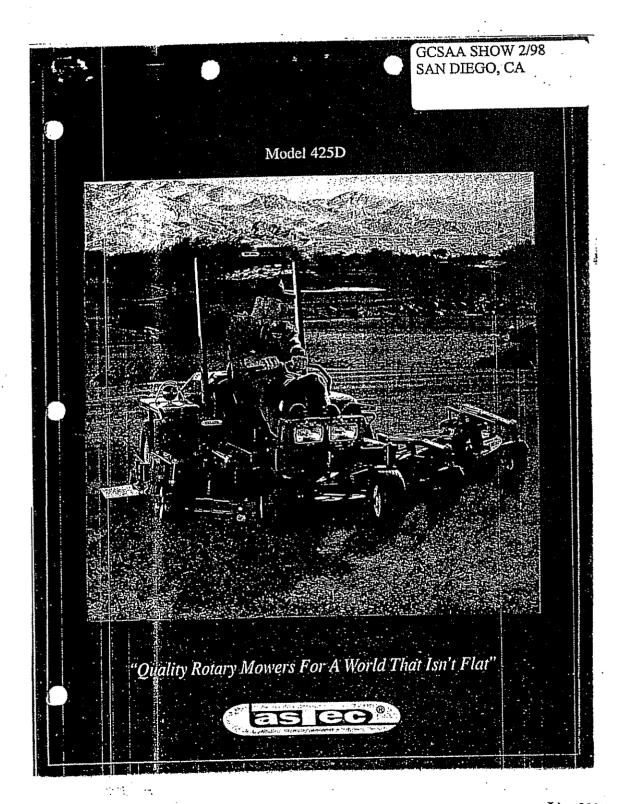
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le le	ngage button and ignition switch. Single implement shut-off control.
j	aydraulic test ports easily accessing without team, and ACRIM system
<u> </u>	hydraulic test ports easily accessinic window the strongers, ACETM, system system pressures. The Automated Control Electronics M, ACETM, system
	neutral. Prevents engaging of Pro-Haptenent of high range ground speed mode if
	- I wouldn't spetern   Dill Timilitation in continue
ELECTRICAL	12 volt automotive type electrical systems.  cold cranking 1300 amps at 0°F (-18°C), 250 minute reserve capacity at cold cranking 1300 amps at 0°F (-18°C), 250 minute reserve capacity at
FEATURES	cold cranking 1300 amps at 0 r (140 C), 250 (150 C), 250 (150 C), 35 amp alternator with I/C regulator/rectifier. Seat switch,
	80°F (27°C), 35 amp allemator with the regularity
	PTO and traction interlock system.
OVERLOAD	A 40 mp circuit breaker with reset button is located under the control
PROTECTION	
PROTECTION	bette controller are projected by a 3 amp tuse tor. togic and
SEAT AND	
STORAGE	fore/aft travel and height. Large toot may start beside control panel.
	1100x piete. Silien Storing
IMPLEMENT	Hydraulic implement drive to all cutting units.
DRIVE	Consists of one 92" (234 cm) front center Triflex cutting unit and two
CUTTING UNIT	Consists of one 92" (234 cm) from tental Times of the
CONFIGURATION	57" (145 cm) outboard cutting units.
MOWING	Mows up to 14.5 acres/hr (5.9 hectares/hr) at 7.5 mph (12.1 km/h) with
RATE/WIDTH	Mows up to 14.5 acres at (5.9 nectates at) at the stops.) Total cutting use of all cutting units. (Assumes no overlap and stops.) Total cutting
MATER HADE	width: 192" (488 cm).
OF CUT	35.55° (63-14 cm).
HEIGHT OF CUT	Low range: 1-4" (2.5-10.2 cm). High range: 2.5-5.5" (6.3-14 cm).
RANGE	A July Wolded construction reinforced
CUTTING UNIT	
CONSTRUCTION	with 7 gauge plates and 10 gauge channel reinforcement closed triangular cross section to provide additional reinforcement.
1	closed triangular cross section to provide the control wide heat treated
BLADES	closed frangular cross section up by the control of
P	Land Middle Triffer cultime time 3 bigges. Cumpant butters
ANTI-SCALP	each. All blades and spinutes are misses and spinutes are misses before the control of the contr
DEVICES	TI I THE PROPERTY OF THE PARTY
CUTTING UNIT	Impact resistant moinest passed covered and replace without tools. Held outboard cutting unit. Easy to remove and replace without tools. Held
COVERS	in the beauth permenent mayness.
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PATENTED	Automatic hydraulic countereasurce transiers weight mount of
AUTOMATIC	
WEIGHT	in and the standard of the state of the stat
TRANSFER	to the matter and the first that the second second
WARRANTY	Two year limited warranty. Refer to the Operator's Manual for further
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CERTIFICATION	Cerumen to meet in our abandance
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## The Model 425 ... Redefining Performance Standards

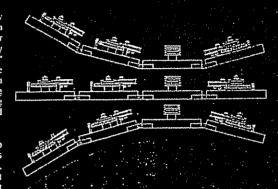
Every few decades a piece of equipment redefines a product category. Get your dictionary out. Under commercial finish mowers cross out the highest standard and replace it with just one thing... The LasTec Model 4251

Human nature is an amazing thing. We tend to follow each other. Sometimes there are good reasons to do this. Sometimes there are good reasons to do this. Sometimes there aren't. For example, consider rotary finish mowers. A few decades ago a company turned a farm tractor backwards and put a fixed 72 deck on the front. It was easier to maneuver and the operator didn't need to look backwards to keep from crashing the deck into trees. People started buying them. Other manufacturers saw what was happening and followed. Pretty soon everybody had one and commercial finish mowers were defined.

Manufacturers then stopped looking for better ways to mow. They were too busy building backward tractors with six-foot decks. They didn't hear the discontent. Most people didn't like to scalp grass, but six-foot wide finish mowers had to scalp, didn't they? Most people wanted more width, but wouldn't that have made the scalping problem even worse? Most people would have liked to change cutting heights from the seat, but decks on backward tractors couldn't do that, could they? Scores of operators were injured over the years because their mowers tipped over when they cut steep banks but all mowers tipped over when they cut steep banks but all mowers tipped over when they cut steep banks but all mowers tipped over when they cut steep banks but all mowers tipped over when they cut steep banks but all mowers tipped over when they cut steep banks but all mowers tipped over when they cut steep banks but all mowers tipped these myths.

in 1990 LasTee exposed the myth that wide decks med to scalp with the introduction of our PTO-driven Articulator. Now we are exposing a similar myth about self-contained finish mowers with our revolutionary Model 425D. Our decks are 8 feet wide and over three times as accirate as everyone else's six-foot deck. Our extra width makes us more productive and tets the deck reach over 2 feet past the trim side of our drive unit. This lets us reach over and under things that used to require hand mowing. Our scuff-proof, zero-turning-radius configuration means that we don't need a 15 foot circle to turn our mower around. We also handle side banks that can tip most mowers upside down and we can even change cutting heights from the seat. Aren't all of these features any customer would like on a finish mower? We think so, but backwards tractors can't do those things. LasTee's Model 425D Articulator can.

We could go on and on about the hundreds of other things you can do with our mower that older equipment can't do, but we won't. We simply ask you to consider leading instead of following the crowd.



Four 25" articulating cutting decks duplicate the cut quality of four individual push mowers.

The Articulator. The best performance.
The best quality. The best value. The best, period.

### The 425D Articulator Specifications

Configuration Unique Front/Minl-Mount Low Center of Gravity
Professional Collection 2011D White Conduct Disconti
Engine
Drive Hydrostatic Transmissions with Dual High and
Low-Pressure Conters
Drive Tires24" Diameter, 13" Wide Turf-Tread
Primary Deck Drive Gearbox through Electric Clutch/Brake
Deck Drive Patent Pending, Highly Efficient Self-Adjusting Belt Dr
Deck Width
Cutting Height Range 1. 1" to 4"
Deck Type Four Aniculating 25' Rotary Decks That Side-Discharge
or Mulch
Deck Construction 3/16" Steel Plate Weldments with Rebuildable Spindles
and Spindle Housings
Hydraulic Controls Standard Auxiliary Hydraulies with Control Valve -
Overall Weight 2015 Pounds
Overall Dimensions 98" Wide, 90" Long, 39" Tall (at top of seat),
64" Tall (at top of roll bar),
ROPS Certified Roll Bar Standard
Lights Headingly and Pasters Standard
Options Sun Canopy, Golf Ball Net, Blower, Snow Blade, Sweet

LasTec

Fax: (317) 271-4

